



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

March 21, 2017

ADDENDUM # 1

To: Plan Holders

DS
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From: Wanda H. Austin, P.E.
Division14 Project Team Lead

RE: **Special Provision Revisions**
Contract ID: DN11692548
County: Haywood
Letting Date: April 11, 2017

The above contract has experienced the following revisions:

1. On page **G-11**, replace the **FUEL PRICE ADJUSTMENT** special provision with the following:

FUEL PRICE ADJUSTMENT:
(3-27-12) (04-11-17)

SPI

Revise the 2012 *Standard Specifications* as follows:

Page 1-93, Article 109-8 Fuel Price Adjustment is amended to add the following as the first paragraph:

The base index price (B) for ULTRA-LO SULFUR DIESEL will be the Current OPIS Average Price for the date the contract is advertised. The Current OPIS Price (A) will be obtained on the first working day of each month. The fuel price adjustment will be administered based on shoulder miles mowed during that month. Data related to OPIS average pricing is located at the North Carolina Department of Administration website.
<http://www.doa.state.nc.us/pandc/dynfuels/fuelcost.asp>. The fuel adjustment factor was derived from industry provided fuel consumption use on Long-Arm mowing for all systems. This factor was validated using NCDOT fuel usage for mowers. No fuel price adjustment will be applied to the work performed under "Supplemental Long Arm Mowing."

The following formula will be used to calculate the appropriate payment.

$$S = (A - B)(QF)$$

Where: S = Fuel Price Adjustment for partial payment

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - DIVISION 14
253 WEBSTER ROAD
SYLVA, NC 28779

Telephone: (828) 586-2141
Fax: (828) 586-4043
Customer Service: 1-877-368-4968

Website: www.ncdot.gov

Location:
253 WEBSTER ROAD
SYLVA, NC 28779

B = Base Index Price
 A = Current OPIS Price (First working day each month)
 Q = Partial payment quantity for contract item
 F = Fuel factor for contract item

The item(s) of work and the fuel factor used in calculating adjustments to be made are as follows:

Description	Units	Fuel Usage Factor Diesel
Shoulder Miles Mowed	SMI	10.0

Should the contract be renewed, the base index price will remain at the contract advertisement date price for the duration of the contract.

Example of Fuel Price Adjustment for Fuel Price Increases:

B = 3.1381 (Base Index Price)
 A = 3.3602 (Current OPIS price from first working day of the month)
 Q = 50 Miles (Partial payment quantity for contract item)
 F = 10 (Fuel factor for contract item)

$$S = (A - B)(QF)$$

$$S = (3.3602 - 3.1381)(50 \times 10)$$

$$S = (0.2221)(500)$$

$$S = 111.05$$

$$S = \$111.05 \text{ (Fuel Price Adjustment for partial payment)}$$

Example of Fuel Price Adjustment for Fuel Price Decreases:

B = 3.1381 (Base Index Price)
 A = 3.0059 (Current OPIS price from first working day of the month)
 Q = 50 Miles (Partial payment quantity for contract item)
 F = 10 (Fuel factor for contract item)

$$S = (A - B)(QF)$$

$$S = (3.0059 - 3.1381)(50 \times 10)$$

$$S = (-0.1322)(500)$$

$$S = -66.10$$

$$S = \$-66.10 \text{ (Fuel Price Adjustment resulting in deduction)}$$

2. **Delete** the second paragraph on page **G-19**, under **Measurement and Payment** of the **LONG ARM MOWING** project special provision which states: **“No separate payment will be made for the chipper as it is considered incidental to other pay bid items in the contract.”**

3. Between pages **G-42** and **T-1**, insert the attached project special provision **NCDOT Division 14 Sensitive Area of Right-of-Ways/Roadsides with No Pesticide Spraying and No Mowing or Special Mowing Restrictions Version 1/2015.2**.

These revisions do not change bid items or the associated quantities.

Please insert this letter into the addendum section of the proposal and sign the verification. Thank you for your attention to this matter.

NCDOT Division 14

Sensitive Areas of Right-of-Ways/Roadsides with No Pesticide Spraying and No Mowing or Special Mowing Restrictions Version 1/2015.2

This document lists special areas of right-of-ways (ROWs) in Division 14 where there are no mowing or special mowing requirements to protect rare plants and sensitive areas. **IN ALL AREAS PESTICIDE SPRAYING IS PROHIBITED.** These requirements must be followed because of NCDOT's agreements with other agencies and, in some cases, to comply with the Federal Endangered Species Act. Maps of the areas are included in the Appendix. **These maps should be used in contracts and distributed to mowing contractors. However, the information in this document includes sensitive information about the locations of rare plants that must not be distributed or shared externally.**

The Division Environmental Office (828/586-2141) should be contacted with any questions about these prescriptions. Also, any work in these areas beyond shoulder mowing must be coordinated with the Division Environmental Office in advance.

Graham County

US 129 north of Robbinsville from near the intersection with Cochran's Creek Road (SR 1250) north approximately 6 miles to the USFS bridge has five short (75-650 feet) "no mow/no spray" zones posted on the riverside of the road. Also, there is one additional posted zone on the riverside of SR 1134 (Joyce Kilmer Road) just south of the penstock crossing. Long-arm mowing outside of the posted zones is permitted in alternate years from November 15 to April 1 along the river sides of US 129 and SR 1134 (Note: Mowing of any kind on the ROW sides away from the river is not restricted). The long-arm mower head/blades must not be lowered/angled down over the road bank toward the river. Rather, the cutting must be done from the roadway and at or above and level with the road grade. Unlike long-arm mowing, there is no restriction anywhere in the ROWs (including within no mow/no spray zones) on shoulder mowing with the exception that mowers should stay toward the road from any white wooden stakes (like those used in flower beds) within the posted zones (currently only sites 2 and JK1 have stakes).

Cheroke Valley Skyway (NC 143) has four "no mow/no spray" posted sections to allow the regeneration of trees and tree limbs where the Federally Endangered Carolina Northern Flying Squirrels can cross the road. This squirrel needs trees so it can launch and glide across the road; it will not readily cross on the ground. Long-arm mowing and pesticide application is prohibited in the posted zones, but normal shoulder mowing of grass is not restricted.

Henderson-Rutherford County

Sugar Loaf Mountain Road, SR 1868 (1708) in Henderson County and SR 1189 in Rutherford has a “no mow/no spray” sign placed about 0.25 mile west of the Henderson-Rutherford County line facing west. The posted zone extends from there approximately 1.5 miles into Rutherford County. Although posted, mowing should occur between November 15 and April 1 in alternate years. Mower blades should not be allowed to scalp the ground.

Jackson County

SR 1100 (Bullpen Road) near its junction with NC 107 is posted as “no mow/no spray” Though posted, long-arm mowing should occur at least every other year between November 15 and April 1, but winter mowing every year is also acceptable. Mower blades should not be allowed to scalp the ground. (NOTE: Bull Pen Road from near McCall Road in Jackson County west to near the junction of SR 1606 and SR 1603 is currently maintained by the USFS. If maintenance reverts to NCDOT in the future, then the seasonal mowing requirement that applies to SR 1100 should apply to this stretch of Bull Pen Road as well).

SR 1101 (McCall Road) is included on the do not mow list, though it is currently not posted. But the same mowing prescription as for SR 1100 above applies.

Macon County

SR 1606 (Whiteside Cove Road) is not posted, but the area of concern extends from the intersection of SR 1606 and SR 1603 in Macon County and proceeds east to the Jackson County line. Mowing should be done at least every other year between November 15 and April 1, but winter mowing every year is also acceptable. Mower blades should not be allowed to scalp the ground.

The north side of **SR 1424 (Clarke Road)** is a posted “no mow/no spray” zone from its intersection with SR 1359 (Lakey Creek Road) east about 300 feet to just past the bridge over Lakey Creek. Shoulder mowing in front of the guardrails and within 4 feet of the edge of pavement is allowable, but **long-arm mowing is prohibited**.

Polk County

SR 1136 (Skyuka Mountain Road) has a “no mow/no spray” zone starting approximately 0.25 mile from the intersection of SR 1135 (Skyuka Road) and SR 1136 that proceeds up and over the mountaintop for approximately 5 miles onto White Oak Mountain Road/Drive. The road currently has a sign on the lower section near Skyuka Road and a sign at the upper limit near the lake and condominiums; additional signs interspersed on the road may be added. Although posted as a no-mow zone, mowing is allowed and actually environmentally-desirable under certain conditions. Shoulder mowing is permitted as needed in late summer provided it occurs only on the shoulders and to the ditches without cutting over and scraping into the cut-slopes along the road. Also, there is one short curve with white wooden stakes to restrict shoulder mowing to near the road. Shoulder mowing should be conducted annually from October 15 to November 15 to help control Japanese stilt grass, an invasive and exotic plant. Shoulder mowing should occur on SR 1190 during this period as well. Also, the ROW

should be long-arm mowed concurrently with the shoulder mowing (if possible) in alternate years from November 15 to April 1 to keep down woody plants. To do this, the long-arm mower target height is currently 12 inches; ground-scalping must be avoided as much as possible.

Other Areas:

Riparian Areas – In general, stream banks should not be mowed, especially on trout streams. Woody vegetation along streams provides food for stream life, prevents bank erosion, and provides shade that is needed to maintain the cold temperatures in trout streams. Therefore, where there is a safety issue, mowing should be limited to only that necessary to restore sight distance or to remove problem trees or shrubs that can be removed manually. Avoid laying the mower head down over the stream banks or manicuring the roadside near streams; keep the mower head level and at or above road plane in these areas.

Stream/Wetland Mitigation Sites – Listed below are several stream conservation areas adjacent to and sometimes within NCDOT ROWs where NCDOT is obligated to protect trees, shrubs, and other vegetation that are important to fish and wildlife. Long-arm mowing and spraying of any kind is prohibited in these areas without prior approval from the Division Environmental Office.

1. There are two stream conservation areas along **US 23 Business** east of Waynesville in **Haywood County**. There are no signs posted in these areas, but mowing and spraying adjacent to these areas must be limited to the shoulders and not extend beyond the existing maintained grass, which is within 12-15 feet of roadway edge/curbs.
2. There is a stream conservation area along **NC 107** east of Lake Glenville in **Jackson County**. This area includes about 1,300 feet of a tributary to Lake Glenville in two sections along the west side of NC 107 across the road from Blue Ridge Storage Units. There are no signs posted in these areas, but there are white wooden stakes along the edge of the conservation areas to serve as mowing guides. Mowing and spraying adjacent to the site must be limited to the road shoulders between the roadway and the mowing stakes.
3. There is a 685-foot long stream conservation area on Tarkiln Branch on the south side of **SR 1118 (Fred Breedlove Road)** in **Swain County**. There are no markers or posted signs here. Shoulder mowing is permissible along the road at the site (<6 feet from road edge), but long-arm mowing is prohibited past the shoulder.

SWAIN

129

Shoulder mowing not restricted except where excluded by white wooden stakes in No Spray/No Mow Zones.

SWAIN

28

SR 1247

SR 1248

SR 1249

SR 1284

SR 1246

ZONE 2

ZONE 1

GRAHAM

OUTSIDE of No Mow/No Spray Zones on river side of US 129 and SR 1134
No spraying allowed. Long-arm mowing every other year from November 15 to April 1 only and with mower cutting at or above the plane of the road (do not lower mower head down over bank)

No Spray/No Mow Zones
Are Marked at either end of zones with these signs.
No Spraying and No long-arm mowing.



ZONE 3

129

SR 1242

SR 1214

ZONE 5

ZONE 4

SR 1159

SR 1129

SR 1250

JK1

SR 1134

SR 1135

SR 1146

OUTSIDE of No Mow/No Spray Zones on river side of US 129 and SR 1134
No spraying allowed. Long-arm mowing every other year from November 15 to April 1 only and with mower cutting at or above the plane of the road (do not lower mower head down over bank)

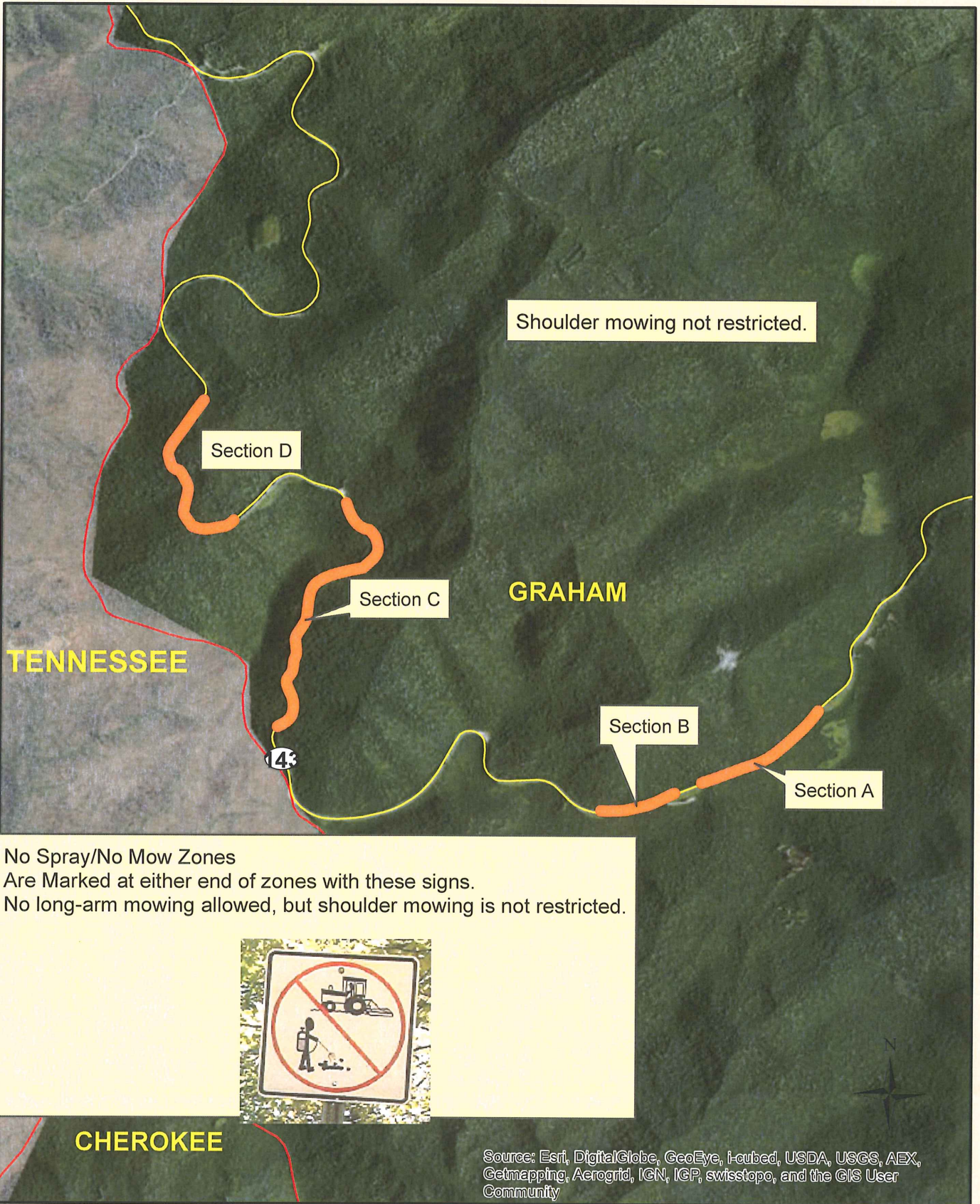
alGlobe, GeoEye, i-tubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

0 0.25 0.5
Miles

Legend
— Roads
□ County Boundary

Graham County Cheoah River Gorge Below Santeetlah Lake
No Mow/No Spray Zones between Cheoah River and US 129 - SR 1134
And
No Spray with Special Mowing Areas between Cheoah River and US 129 - SR 1134





0 0.25 0.5
Miles

Legend
— Roads
— County Boundary

Graham County Cherochala Skyway NC 143
No Mow/No SpraySections



64

Each end of special mow zone marked with these signs.

Special Mow Zones
No spraying allowed.
Long-arm mowing
every other year from November 15 to April 1 only
and mower must avoid scalping ground.
Shoulder mowing to ditchline not restricted.



HENDERSON

RUTHERFORD

Special Mow Zones
No spraying allowed.
Long-arm mowing
every other year from November 15 to April 1 only
and mower must avoid scalping ground.
Shoulder mowing to ditchline not restricted.

POLK

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

0 0.25 0.5
Miles

— Roads
— County Boundary
— fedlands

Special Mowing
SR 1868 (Sugarloaf Mountain Road), SR 1708, and SR 1189
Henderson and Rutherford Counties



64

MACON

Most of Bull Pen Road is on USFS property and mowed by USFS.

Special Mow Zones
No spraying allowed.
Long-arm mowing
every other year from November 15 to April 1 only
and mower must avoid scalping ground.

JACKSON

107

SR 1603

SR 1606

SR 1109

SR 1104

SR 1103

SR 1102

SR 1101

SR 1100

MACON

NORTH CAROLINA

GEORGIA

Special Mow Zones
No spraying allowed.
Long-arm mowing
every other year from November 15 to April 1 only
and mower must avoid scalping ground.

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX,
Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User
Community

0 0.5 1
Miles

— Roads
— County Boundary
— fedlands

Special Mowing
SR 1100 and SR 1101 Bull Pen Road
SR 1606 (Whiteside Cove Road) and SR 1603
Macon and Jackson Counties



No Spray/No Mow Zones

Are Marked at either end of zones with these signs.

No long-arm mowing and no spraying.

Shoulder mowing allowed in front of guardrails or within 4 feet of pavement.



Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

0 0.25 0.5



Miles

Legend

- Roads
- County Boundary

**Macon County SR 1424 (Clarke Road)
No Mow/No Spray Zone**



Most of this road is currently mowed by Polk Maintenance Forces.

Each end of special mow zone marked with these signs.

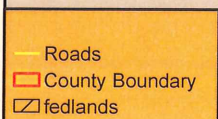
Special Mow Zones
No spraying allowed.

Long-arm mowing
every other year from November 15 to April 1 only
and mower must avoid scalping ground.
Shoulder mowing to ditchline not restricted.



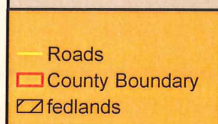
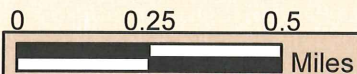
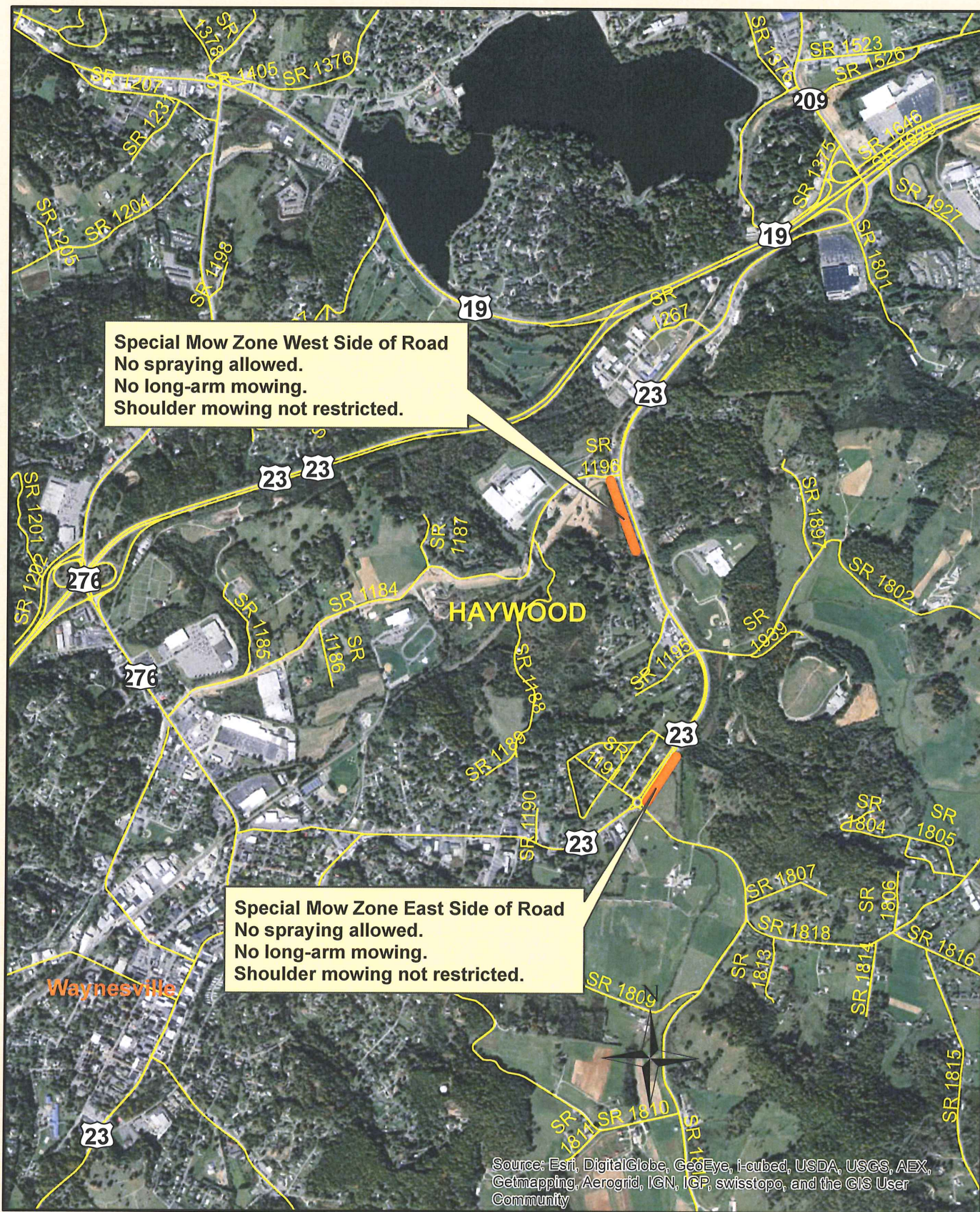
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0 0.25 0.5
Miles



Special Mowing
SR 1136 (Skyuka Mountain Road and White Oak Mountain Road)
Polk County





**Special Mowing
 US 23 Business
 Haywood County**





0 0.25 0.5
Miles

- Roads
- County Boundary
- fedlands

**Special Mowing
NC 107
Jackson County**





Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

0 0.25 0.5
Miles

- Roads
- County Boundary
- fedlands

Special Mowing
SR 1118 (Fred Breedlove Road)
Swain County

